

Electronic submittal to: Weimer, Shawn [shawn.weimer@deq.virginia.gov](mailto:shawn.weimer@deq.virginia.gov)

(A hard copy will not be submitted unless requested.)

August 3, 2023

Mr. Shawn Weimer, Land Protection Manager  
Virginia Department of Environmental Quality  
Land Protection and Revitalization  
4949-A Cox Road  
Glen Allen, VA 23060

**RE: Green Ridge Recycling and Disposal Facility LLC  
Final Part A Submission and Updated DEQ Form SW PTA  
Solid Waste Permit 626  
Draper Aden Associates Project No.18020117-090102**

Dear Mr. Weimer:

As required under Section IV – Part A Permit Application, Paragraph A of DEQ Submission Instruction No. 1, Green Ridge Recycling and Disposal Facility LLC (Facility or Green Ridge) is herein submitting the required transmittal letter and a certified and updated DEQ Form SW PTA in accordance with 9VAC20-81-460.A. See **Attachment 01**.

The site of the proposed Facility consists of approximately 1,178± acres. The site is located in Clinton, Virginia, north of U.S. Route 60 (Anderson Highway), and loosely bounded by Route 654 (Pinegrove Road) and Route 685 (Miller Lane); Latitude: 37°34'00"North; Longitude: 78°07'20"West. The proposed site is composed of the combination of 16 parcels purchased by Green Ridge Recycling and Disposal LLC. See **Attachment 02**: Figure 1 (Area Map) and **Attachment 03**: Figure 2 (Site Location Map). Further illustrations and descriptions of the Facility are provided in this final Part A submission.

The Part A Application, including DEQ Form SW PTA, was originally submitted to DEQ on January 22, 2020. It was reviewed by DEQ and Technical Review No. 1 (TR 1) was issued on April 8, 2021. The response to the TR 1 review was provided on October 1, 2021. Based on various changes in the Part A information necessitated by the TR 1 comments, DEQ Form SW PTA was modified and

resubmitted with the TR 1 response. On April 13, 2022, TRC submitted a TR 1 Supplement, which modified the base grade information. A new form was not submitted with the Supplement.

DEQ issued Technical Review No. 2 (TR 2) on June 16, 2022 and issued an addendum to TR 2 on October 25, 2022 (TR 2 ADD). Under TR 2, DEQ requested that Green Ridge review all its submittals for consistency and that it update/reissue the full Part A document, which this transmittal letter and form are a part of. This letter and the attached form replace all previous submittals. TR 2 ADD indicated that a variance for impacts to perennial streams was required. As the project is described below, no variance is required at this time. Letter responses to both TR 2 and TR 2 ADD have been submitted under separate cover.

On May 12, 2023, a draft TR 2 response addressing updates to the Part A documents was submitted by TRC to DEQ for review and comment. Comments were received from DEQ via email on June 29, 2023. No comments were received on this transmission letter or the form.

The following summary describes the modified development of this Facility. The NOI and Part A documents mirror this summary:

1. The service area has been redefined. Instead of a 500 mile radius, Green Ridge will accept only Virginia waste at their facility.
2. For development of the initial disposal unit area, the daily disposal limit has been reduced from 5,000 tons per day to 1,500 tons per day.
3. The Facility Boundary (as defined by 9VAC20-81-10) remains unchanged from the original Part A submittal (Approx. 1,178 acres).
4. The Waste Management Boundary (WMB) (as defined by 9VAC20-81-10) matches that included in the TR 1 response and is incorporated into the updated documents (Approx. 428 acres). The WMB includes two areas:
  - Parcel A - 361.2 acres
  - Parcel B - 66.8 acres
5. Disposal units will be developed and permitted as required by regulation within the Waste Management Boundary under the Part B permitting process. An initial disposal unit area has been identified for consideration for Part B permitting once the Part A permit is approved. This area is illustrated in **Attachment 04: Figure 3 (Overall Site Layout)** and on a drawing illustrating bearings and distances on the initial disposal unit area included in Part A – Attachment IX. It is probable that under the Part B design, the initial disposal unit area outlined as shown will change.
6. The initial disposal unit area has been configured to eliminate all impacts to streams (primary and secondary) and wetlands as identified in the supplement to the approved PJD approved by ACOE on June 13. The JPA was withdrawn on July 21, 2023 via a letter dated July 12, 2023, submitted by KBJW to VMRC, DEQ-VWP, and ACOE.

7. For the initial development, access into the facility has been modified. The private access road off Route 60 will not be designed and constructed for the initial development. Instead, for the initial development, access into the site will utilize Pinegrove Road where a new commercial entrance will be constructed into the site (See **Attachment 04**). A new Traffic Impact Analysis relative to usage of Pinegrove Road was completed and submitted to VDOT for consideration on May 10, 2023. VDOT reviewed and concurred with the assumptions, methodology and conclusions of the TIA in a letter dated June 7, 2023.
8. The Miller Lane relocation has been modified to eliminate impacts to streams and wetlands (See **Attachment 04**).
9. Pinegrove Road will not be relocated for this project.

As the intent of the project, including the demonstration of need, has not changed, the original NOI has not been revised. The original submittal documents from January 2020 are included in the enclosed submittal package, with the cover page to the attachment outlining the updates to the disclosure statements and providing a summary of the project modifications.

During the conceptualization of the project, a layout was developed for the Facility including base and final grades as well as capacity. This layout set the lowest base grade, the maximum elevation and capacity mirrored in the updated form. However, the final grades and capacity will be a function of design and DEQ permitting. Future Part B designs will not exceed the lowest base grade or capacity without adhering to all DEQ permitting requirements.

Documentation required for submittal is provided as separate reports entitled as follows:

- Final Part A Permit Submission – Green Ridge Recycling and Disposal Facility, prepared by Draper Aden Associates/TRC, dated August 3, 2023.
- Final Part A Submission - Landfill Impact Statement – Green Ridge Recycling and Disposal Facility, prepared by Draper Aden Associates/TRC, dated August 3, 2023.

Our professional certification is provided in **Attachment 05**.

Mr. Shawn Weimer  
August 3, 2023  
Page 4 of 4

If you have any questions regarding the proposed landfill and the Part A Permit Application, you are welcome to contact me.

Sincerely,

**DRAPER ADEN ASSOCIATES/TRC**

A handwritten signature in black ink, consisting of several overlapping loops and a horizontal line extending to the right.

Michael D. Lawless, P.G., C.P.G.,  
Principal

Attachments:

- Attachment 1 – PTA Form updated including cover page
- Attachment 2 - Figure 1 – Area Map
- Attachment 3 - Figure 2 – Site Location Map
- Attachment 4 – Figure 3 - Overall Site Layout
- Attachment 5 – Professional Certification

cc: Mr. Dean Starook, DEQ  
Mr. Jerry Cifor, President, Green Ridge Recycling and Disposal LLC  
Wendy Karably, TRC

ATTACHMENT 1  
PTA FORM AND COVER PAGE

## **PART A – DEQ Form SW PTA**

As required by Submission Instruction No. 1, the applicant is to provide a transmittal letter stating the type of facility proposed with a signed and certified DEQ Form SW PTA.

The Part A Application with form was originally submitted to DEQ on January 22, 2020. It was reviewed by DEQ and Technical Review No. 1 (TR 1) issued on April 8, 2021. TR 1 requested an update of the form with any changes required due to the response to TR 1. Some changes were made, and the form was reissued on October 1, 2021. The TR 1 response on October 1, 2021 did not address Comments 11, and 14 through 16, which required additional field work.

On April 13, 2022, a Supplement to TR 1 response was submitted to address these comments. The Supplement response letter discussed that the bedrock boring was advanced to a depth more than 20 feet below the TR 1 lowest base grade of 276.63 feet msl. The letter then goes on to indicate that to reduce bedrock excavation and to incorporate the additional information, the base grades in the northern portion of the facility were raised. Figure LA-10 included with the Supplement indicated the lowest base grade at an elevation of 287.47.

Subsequently, DEQ issued Technical Review No. 2 (TR 2) on June 16, 2022 with an addendum to TR 2 issued on October 25, 2022. Comment 1 of TR 2 specifically addressed the form and the lowest base grade and asked for clarification. (The comment identifies the lowest base grade as 286.45 but Figure LA-10 calls out the lowest base grade at the elevation identified above.)

On May 12, 2023, a draft TR 2 response addressing updates to the Part A documents was submitted by TRC to DEQ for review and comment. Comments were received from DEQ via email on June 29, 2023. No comments were received on this form.

The Final Part A Submission form incorporates all the TR 1, TR 2 and TR 2 Supplement information.

The final form, signed by the applicant is included with the Final Part A Submission. It replaces all previous forms.



# Solid Waste Disposal Facility Part A Application Form, DEQ Form SW PTA

Please specify, is this application for a

☒ New Facility or

☐ Part A Modification

Final Part A Submission – August 2023

## I. FACILITY INFORMATION

### A. Facility Location

Facility Name: Green Ridge Recycling and Disposal Facility

Permit No. SWP 626

Location Address: US Route 60/Pinegrove Road/Miller Lane

Facility Type: Sanitary Landfill

City, State, Zip: Cumberland, VA 23040

Latitude: 37 Deg 34 Min 00 Sec North

Longitude: 78 Deg 07 Min 20 Sec West

### B. Facility Contact Information

Contact Person: Mr. Jerry Cifor

Contact Title: President and CEO

Contact Phone: 802-379-1575

Contact E-mail: jerry.cifor@myfairpoint.net

Owner: Green Ridge Recycling and  
Disposal Facility, LLC

Operator: Green Ridge Recycling and  
Disposal Facility, LLC

Mailing Address: 12230 Deer Grove Road

Mailing Address: 12230 Deer Grove Road

City, State, Zip: Midlothian, VA 23112

City, State, Zip: Midlothian, VA 23112

### C. Solid Waste Disposal Facility Information

Total Property Acreage: 1,177.63 acres

Facility Boundary: 1,177.63 acres

Waste Management Boundary Acreage: 428.0 acres

Total Capacity: 54,000,000 cubic yards

Maximum Elevation: 690 ft AMSL

Total Number of Borings: 74 (TR-1)

Lowest Base grade Elevation: 287.47 ft AMSL  
(TR 1 Supplement information)

Daily Disposal Limit: 1,500 tons/day(TR-2)

## II. SITING ASSESSMENT

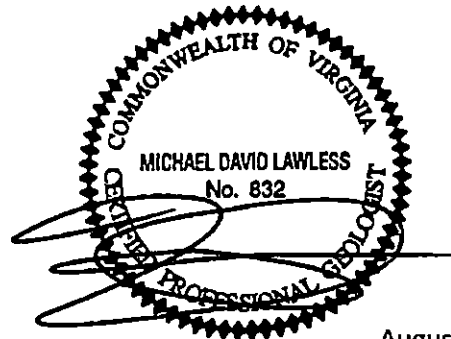
### A. Applicable to All Solid Waste Disposal Facilities

Answer the following questions by entering "yes", "no", or a numeric response, as applicable. For distances, indicate the shortest measured distance from any disposal unit or leachate storage area (i.e. waste management boundary), reported in feet.

Siting Criteria	Response
1. Is the landfill located in a 100 year floodplain?	No
2. Is the landfill located in a geologically stable area?	Yes
3.a.i. Distance to nearest residence:	510 ft
3.a.ii. Distance to nearest school:	Approx. 7.7 miles
3.a.iii. Distance to nearest daycare center:	Approx. 7.5 miles
3.a.iv. Distance to nearest hospital:	Approx. 23.0 miles
3.a.v. Distance to nearest nursing home:	Approx. 7.5 miles
3.a.vi. Distance to nearest recreational park:	Approx. 3.0 miles
3.b. Distance from any perennial stream or river:	>100 ft
3.c. Distance from the Facility Boundary:	>200 ft
3.d. Distance from any well, spring, or other groundwater source of drinking water in existence at the time of application:	500+ ft
3.e. Distance from the nearest edge of right-of-way of any interstate or primary highway:	3,960+ ft
3.f. Distance from the nearest edge of right-of-way of any other highway or city street:	285+ ft

Siting Criteria	Response
4. Is the landfill located in a park or recreational area, wildlife management area or area designated by the federal or state agency as the critical habitat of any endangered species?	No
5.a. Does the facility have the ability to conduct groundwater monitoring in accordance with 9 VAC 20-81-250?	Yes
5.b. Does the facility have the ability to characterize the rate and direction of groundwater flow within the uppermost aquifer?	Yes
5.c. Does the facility have the ability to characterize and define any releases from the landfill, so as to determine what corrective actions are necessary?	Yes
5.d. Does the facility have the ability to perform corrective action as necessary?	Yes
6. Is the landfill located in a tidal or nontidal wetland? (Yes or No)	No
6.a. If the answer to #6 is "yes" list the total number of nontidal wetland acres to be impacted:	NA
7.a. Does the proposed site include excessive slopes (greater than 33%)?	No
7.b. Does the proposed site lack readily available cover materials or lack of a firm commitment for adequate cover material from a borrow site?	No
7.c. Does the proposed site contain springs, seeps, or other ground water intrusion?	No
7.d. Does the proposed site contain gas, water, sewage, or electrical or other transmission lines?	Yes
7.e. Does the site contain the prior existence of an open dump, unpermitted landfill, lagoon, or similar unit, even if such a unit is closed?	No
8. Does the facility have adequate area and terrain for leachate management?	Yes

Professional Geologist or Professional Engineer  
Certification: To the best of my knowledge, information and belief, the answers to question number 5.a. through 5.d. are, in my professional opinion, in compliance with applicable laws, codes, and ordinances. (Stamp, sign, and date in space to right)



#### B. Additional Siting Criteria for Sanitary Landfills

August 1, 2023

The following criteria are only applicable to sanitary landfills. Answer the following questions by entering "yes", "no", or a numeric response, as applicable. For distances, indicate the shortest measured distance from any disposal unit or leachate storage area (i.e. waste management boundary), reported in feet or miles.

Siting Criteria	Response
9.a. Distance to existing surface or groundwater public water supply intake or reservoir that are downgradient of the landfill (in miles):	15.7 miles
9.b. Distance to existing surface or ground water public water supply intake or reservoir that are upgradient of the landfill (in miles):	3.96 miles
9.c. Is the landfill located in an area vulnerable to flooding caused by dam failures?	No
9.d. Is the landfill located over a sinkhole or within 100 feet of a solution cavern associated with karst topography?	No
9.e. Is the landfill located over a fault that has had displacement in Holocene time?	No
9.f. Distance from a fault that has had displacement in Holocene time (in feet):	200+ ft
9.g. Is the landfill located within a seismic impact zone?	Yes
9.h. Distance from any airport runway end used by turbojet or piston-type aircraft:	>13 miles



### C. Additional Siting Criteria for Construction, Demolition, & Debris Landfills

The following criteria are only applicable to construction, demolition, and debris (CDD) landfills. Answer the following questions by entering "yes", "no", or a numeric response, as applicable. For distances, indicate the shortest measured distance from any disposal unit or leachate storage area (i.e. waste management boundary), reported in feet or miles.

Siting Criteria	Response
10.a. Is the facility located in a strip mine pit?	No
10.b. If the answer to #10.a. is "yes", indicate minimum distance between coal seams / coal outcrops and solid waste materials.	n/a

### D. Variances

Does this application include a variance request(s) to regulatory siting requirements? ☐ Yes ☒ No

If yes, list regulatory citation(s): \_\_\_\_\_


### III. PART A APPLICATION ATTACHMENTS

The following items shall be provided as an attachment to this form and will constitute the facility's Solid Waste Part A Permit application. Please indicate whether each item is 'included' for the proposed facility or facility modification.

Solid Waste Permit Part A Application Attachments	Included?
Attachment I: Cover Letter, Area Map, and Site Location Map	<input checked="" type="checkbox"/>
Attachment II: Disclosure Statements (DEQ Forms DISC-01 and DISC-02)	<input checked="" type="checkbox"/>
Attachment III: Local Government Certification (DEQ Form SW-11-1)	<input checked="" type="checkbox"/>
Attachment IV: Public Participation Documentation	<input checked="" type="checkbox"/>
Attachment V: Disposal Capacity Guarantee	<input checked="" type="checkbox"/>
Attachment VI: Host Agreement (DEQ Form SW-11-2) or Discussion of Disposal Limits/Service Area	<input checked="" type="checkbox"/>
Attachment VII: Demonstration of Need	<input checked="" type="checkbox"/>
Attachment VIII: State Commission Corporation Certification	<input checked="" type="checkbox"/>
Attachment IX: Key Map, Near-Vicinity Map, and Regional Map	<input checked="" type="checkbox"/>
Attachment X: Proof of Ownership Documents	<input checked="" type="checkbox"/>
Attachment XI: Hydrogeologic and Geotechnical Report (must be certified by P.E. or P.G.)	<input checked="" type="checkbox"/>
Attachment XII: Location of Borings and Boring Logs	<input checked="" type="checkbox"/>
Attachment XIII: Laboratory and Field Data	<input checked="" type="checkbox"/>
Attachment XIV: Materials Volume Calculations	<input checked="" type="checkbox"/>
Attachment XV: Geologic Maps, Orthogonal Cross-Sections, and Potentiometric Surface Maps	<input checked="" type="checkbox"/>
Attachment XVI: VDOT Adequacy Report and Approval Letter	<input checked="" type="checkbox"/>
Attachment XVII: Landfill Impact Statement	<input checked="" type="checkbox"/>
Attachment XVIII: Certification and Documentation of Adjacent Property Owner Notification	<input checked="" type="checkbox"/>
Attachment XIX: Discussion of Public Interest Served	<input checked="" type="checkbox"/>
Attachment XX: Airport Proximity and Agency Coordination	<input checked="" type="checkbox"/>
Attachment XXI: FEMA Flood Insurance Rate Map	<input checked="" type="checkbox"/>
Attachment XXII: Wetlands Demonstration and Agency Coordination	<input checked="" type="checkbox"/>
Attachment XXIII: Demonstration Regarding Proximity to a Fault or Siting within a Seismic Impact Zone	<input checked="" type="checkbox"/>
Attachment XXIV: Request for Exemption of Site for 9 VAC 20-81-120.D. and/or 120.F.	<input type="checkbox"/>

#### IV. RESPONSIBLE OFFICIAL SIGNATURE

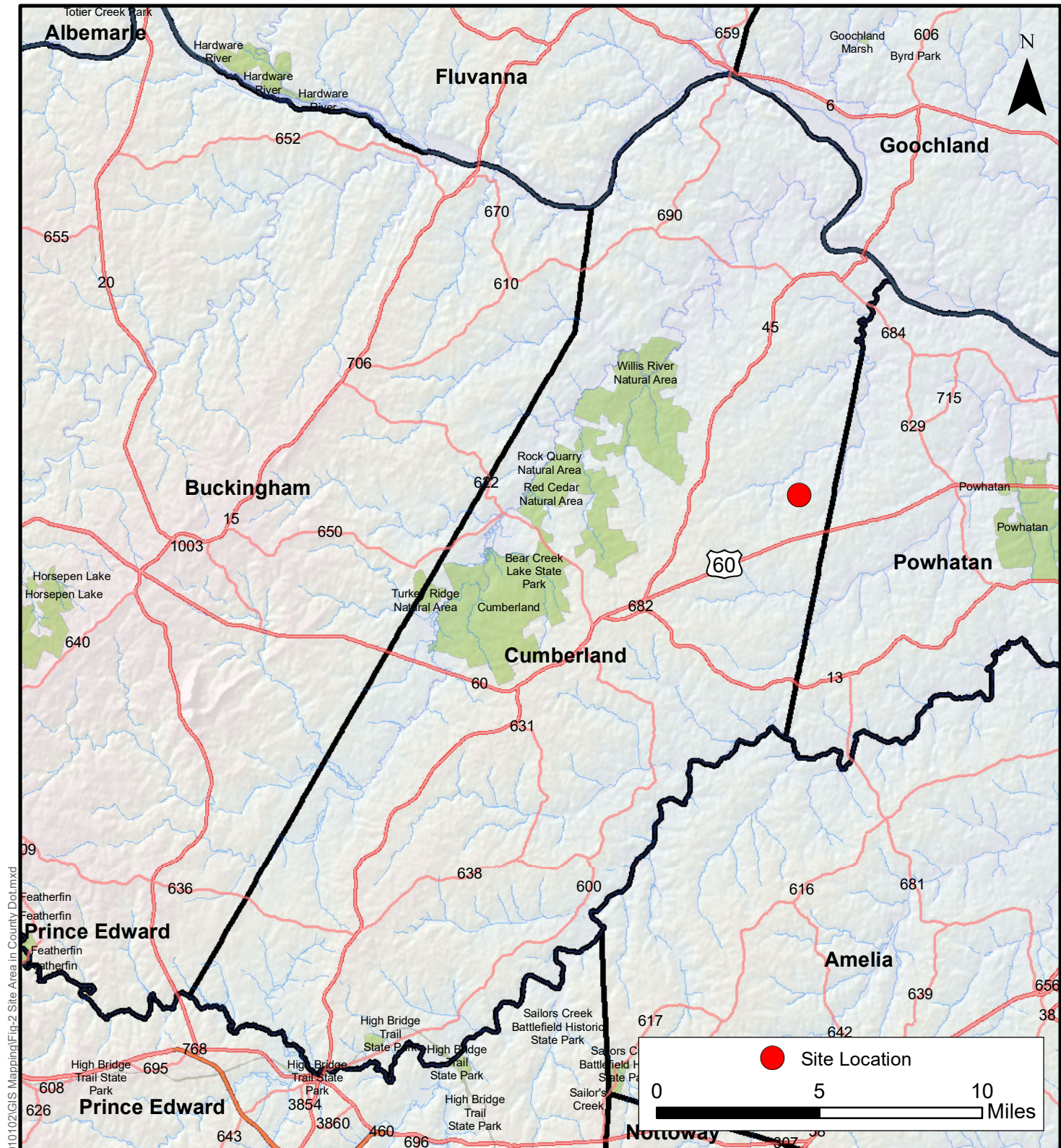
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete.

SIGNATURE:  President DATE: 7/27/2023  
NAME: Mr. Jerry Cifor  
TITLE: President and CEO - Green Ridge Recycling and Disposal, LLC

## ATTACHMENT 2

### FIGURE 1 – AREA MAP





**Area Map  
Location in County**

Green Ridge Recycling and Disposal Facility  
Cumberland County, Virginia

SCALE: 1:270,000

PROJECT: 18020117-030102



**Draper Aden Associates**

*Engineering • Surveying • Environmental Services*

2206 South Main Street  
Blacksburg, VA 24060  
540-552-0444 Fax: 540-552-0291

Richmond, VA  
Charlottesville, VA  
Hampton Roads, VA  
Raleigh, NC  
Fayetteville, NC  
Northern Virginia

DESIGNED: LPK  
DRAWN: SMF  
CHECKED: LPK  
DATE: 12-09-19

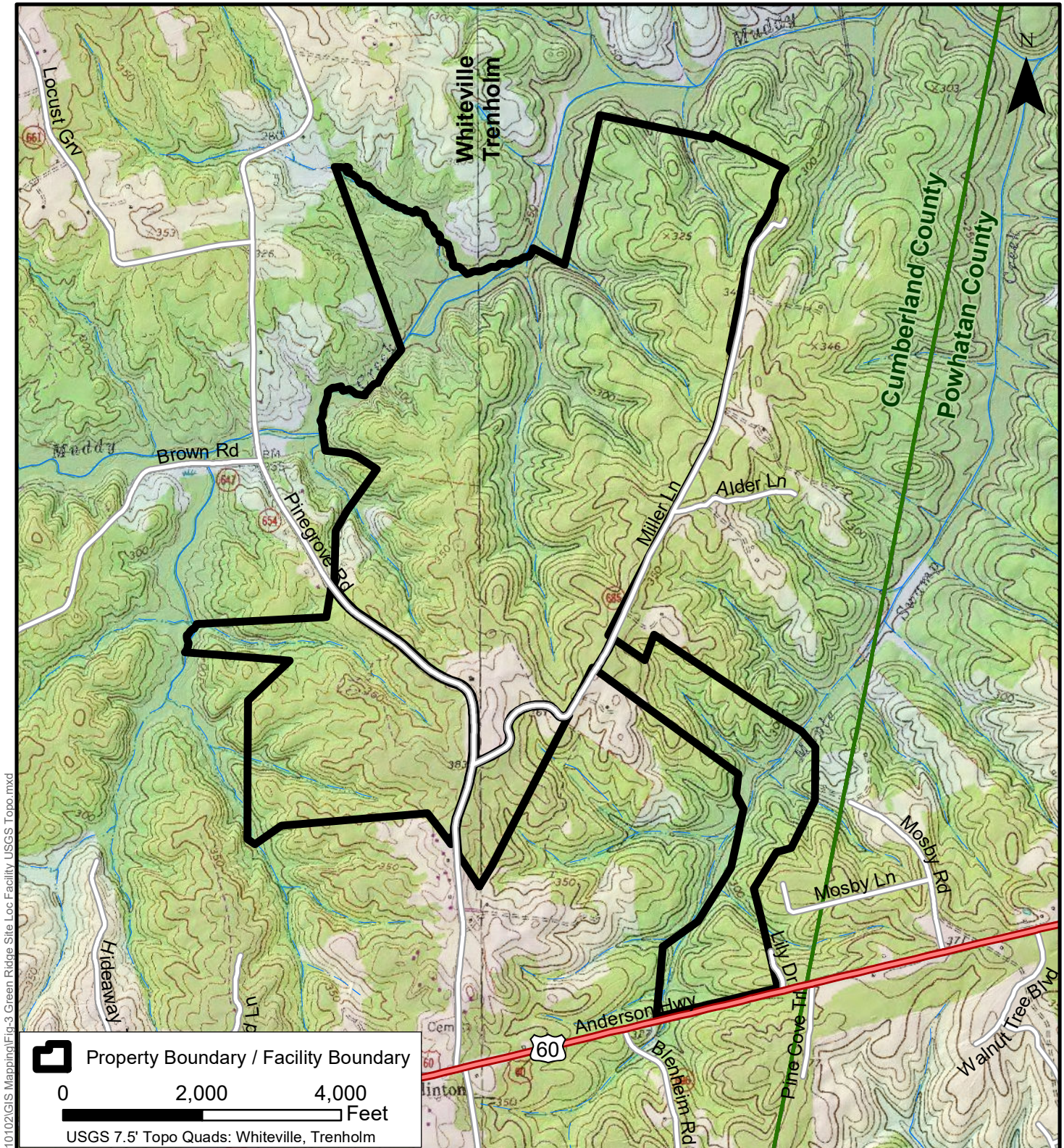
**FIGURE**

**1**

ATTACHMENT 3

FIGURE 2 – SITE LOCATON MAP





## Site Location Map

Green Ridge  
Recycling and Disposal Facility  
Cumberland Co., Virginia

SCALE: 1" = 2000'

PROJECT: 18020117-030102



**Draper Aden Associates**

Engineering • Surveying • Environmental Services

2206 South Main Street  
Blacksburg, VA 24060  
540-552-0444 Fax: 540-552-0291

Richmond, VA  
Charlottesville, VA  
Hampton Roads, VA

Raleigh, NC  
Fayetteville, NC  
Northern Virginia  
Virginia Beach, VA

DESIGNED: LPK  
DRAWN: SMF  
CHECKED: LPK  
DATE: 12-09-19

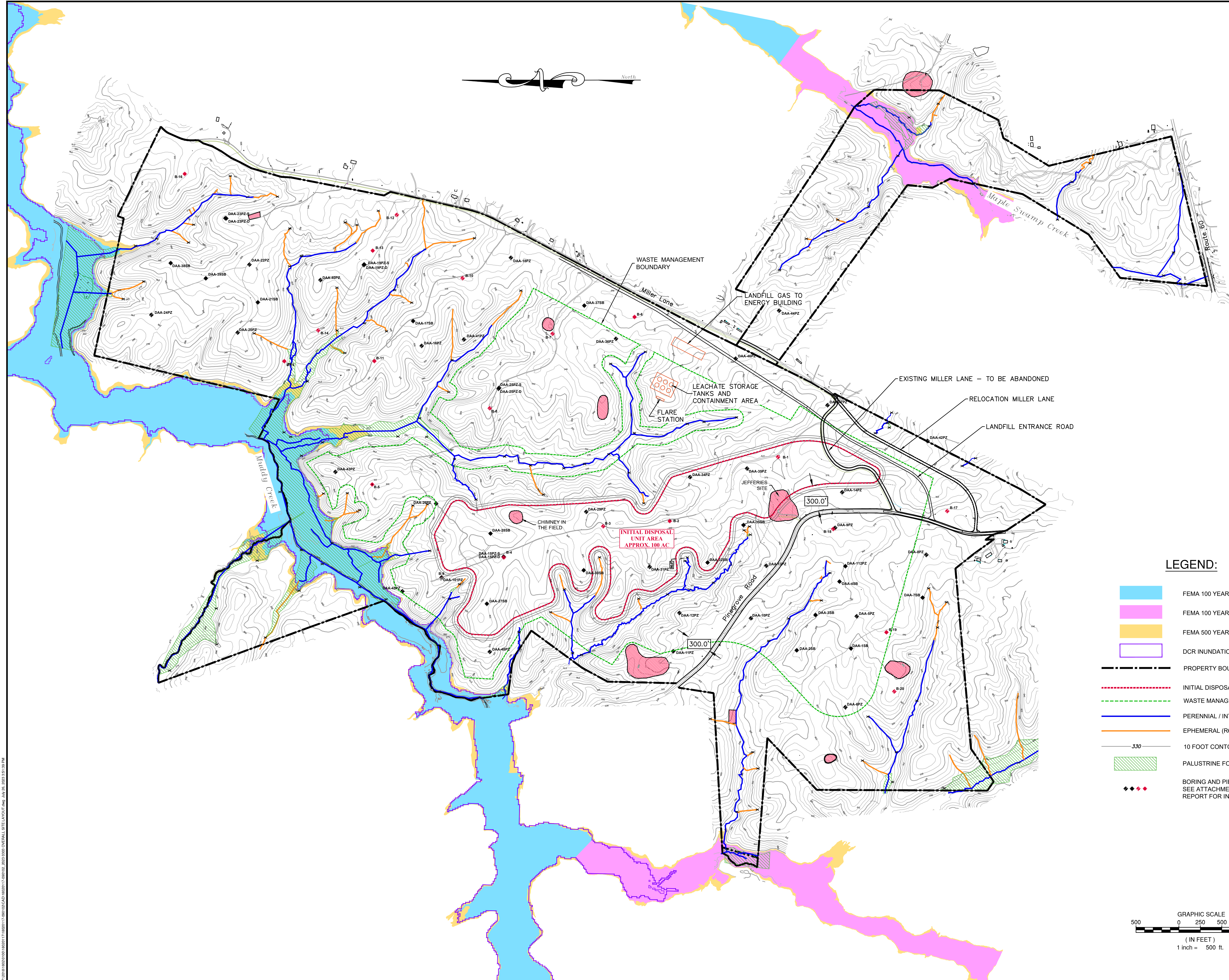
**FIGURE**  
**2**



ATTACHMENT 4

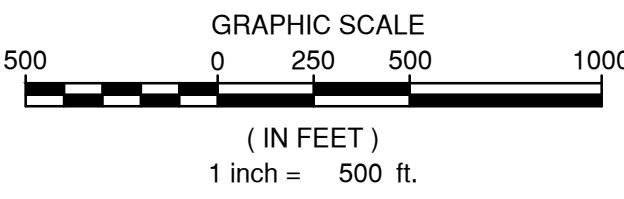
FIGURE 3 – OVERALL SITE LAYOUT





**LEGEND:**

- FEMA 100 YEAR FLOOD PLAIN AE (DRAFT)
- FEMA 100 YEAR FLOOD PLAIN A (DRAFT)
- FEMA 500 YEAR FLOOD PLAIN (DRAFT)
- DCR INUNDATION EXTENT
- PROPERTY BOUNDARY / FACILITY BOUNDARY
- INITIAL DISPOSAL UNIT AREA (APPROXIMATE)
- WASTE MANAGEMENT BOUNDARY
- PERENNIAL / INTERMITTENT (R3/R4) CHANNEL
- EPHEMERAL (R6) CHANNEL
- 10 FOOT CONTOUR INTERVAL
- PALUSTRINE FORESTED (PFO) WETLANDS
- BORING AND PIEZOMETER LOCATIONS. SEE ATTACHMENT XI - HYDRO GEOTECH REPORT FOR INFORMATION



**Draper Aden Associates**  
Engineering • Surveying • Environmental Services

2200 South Main Street, Suite A  
Blacksburg, VA 24060  
540-552-0444 Fax: 540-552-0291  
www.daa.com

• Raleigh, NC  
• Fayetteville, NC  
• Charlottesville, VA  
• Northern Virginia  
• Hampton Roads, VA  
• Virginia Beach, VA



OVERALL SITE LAYOUT  
TR 2 RESPONSE

**GREEN RIDGE RECYCLING  
AND DISPOSAL FACILITY**

CUMBERLAND COUNTY, VIRGINIA

REVISIONS	
Final Part A, updated certification and dates, 08/03/2023	
DESIGNED BY:	WK/LPK
DRAWN BY:	DLD
CHECKED BY:	LPK
SCALE:	1" = 500'
DATE:	08/03/2023
PROJECT NUMBER:	18020117-090102
FIGURE 3	



ATTACHMENT 5  
PROFESSIONAL CERTIFICATION

## PROFESSIONAL ENGINEER'S/GEOLOGIST'S CERTIFICATION

The following certification is provided for the Final Part A Submission for the proposed Green Ridge Recycling and Disposal Facility in Cumberland County, Virginia.

I certify that to the best of my knowledge and belief, these documents and the attachments presented in the Part A application are accurate and complete. In the preparation of these documents, Draper Aden Associates (now TRC Companies Inc.) has relied on information provided by Green Ridge Recycling and Disposal LLC or other professionals with the understanding that the responsibility for the accuracy and completeness of this information rests with those providing such information.

The information provided is intended to fulfill the Part A Permit requirements for the permitting of the Green Ridge Recycling and Disposal Facility and is intended for consideration by the Virginia Department of Environmental Quality. It is not intended, in part or in full, to be utilized by any other party for any other purpose. No information or statements contained in this application shall be used outside of the full context of this application, nor by parties other than the Green Ridge Recycling and Disposal LLC or the agencies specified herein.

Certified this 3<sup>rd</sup> day of August, 2023



---

Michael D. Lawless P.G.  
Virginia Registered Professional Geologist No. 2801000832

## **PERMIT APPLICATION FEE**

In accordance with 9 VAC 230-81-450.C.1, payment of the Permit Application Fee was submitted to the Department of Environmental Quality on January 16, 2020.

1002

Green Ridge Recycling & Disposal Facility, LLC  
4 Enterprise Ave  
Clifton Park, NY 12065

BALLSTON SPA NATIONAL BANK  
P.O. BOX 70  
BALLSTON SPA, NY 12020  
50-467/213

1/16/2020

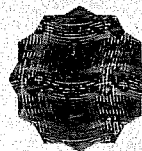
PAY TO THE  
ORDER OF Treasurer of Virginia

\$ \*\*4,180.00

Four Thousand One Hundred Eighty and 00/100\*\*\*\*\* DOLLARS

PROTECTED AGAINST FRAUD

Treasurer of Virginia  
Accounts Receivable  
Dept of Environmental Quality  
P.O. Box 1104  
Richmond, VA 23218  
Part A Permit App Fee-Submittal of Solid Waste Lan



*Handwritten signature: K. J. Fair*  
*Handwritten initials: JCF*



⑈001002⑈ ⑆021304675⑆1007151347⑈

Green Ridge Recycling &amp; Disposal Facility, LLC

1002

Treasurer of Virginia

Date	Type	Reference	Original Amt.	Balance Due	1/16/2020 Discount	Payment
1/16/2020	Bill	Part A Permit App Fe	4,180.00	4,180.00		4,180.00
					Check Amount	4,180.00

Ballston Spa National Part A Permit App Fee-Submittal of Solid Waste

4,180.00